

Program Partner Name

CATEX CHECKLIST

CHECKLIST OF EXTRAORDINARY CIRCUMSTANCES & SENSITIVE RESOURCES IN SUPPORT OF A CATEGORICAL EXCLUSION (CATEX) DETERMINATION FOR A **DENALI COMMISSION PROJECT**

Description No. 1	T				
Program Partner Name	Project Name				
Alaska Energy Authority	Twin Hills Intertie Project				
Location	Project #			Subproject #	
Twin Hills, Alaska	REG -1349			N/A	
Identify Categorical Exclusion The proposed project is identified in the Denali Commission list of categorical exclusions provided in 45 CFR Appendix A to Part 900. The appropriate paragraph number(s) is/are B5 (a)					
Project Description (2-3 sentences maximum)					
This project proposes to install a new 23,850 LF overh Hills Alaska and replace the electrical distribution syste	nead power to em in Twin H	ransmiss lills.	sion line	e between Togiak and Twin	
Instructions The information you provide below will assist the Denali Commission in appropriate or further environmental analysis is required for the proposed indicating your response on that issue. A checkmark in the "Yes" block of simply means further assessment is needed. Should you have any remarks Environmental Impact Statement (EIS), attach a brief explanation of the sensitive resources must be resolved through another environmental procedure.	project. Please places not automate that may indicate circumstances for coordinates.	place a che ically precli te the need for further	ckmark in ude the de to prepare evaluation	the blank next to the numbered items evelopment of the proposed project. It is an Environmental Analysis (EA) or an in. Adverse affects to environmentally lighter the Coastal Zone Monage the	
		Determ	ination		
Extraordinary Circumstances				Basis for determination:	
				See attached comments	
		Yes	No		
Public Health, Safety or Environment Will the proposed project have a reasonably likelihood of impacts on public health, public safety, or the environment.	of significant ent?			The project will improve the reliability and safety of the Twin Hills power distribution system. As a result, environmental and public health will be better protected.	
2. Controversy on Environmental Grounds Will the proposed project have effects on the environm likely to be highly controversial or involve unresolve concerning alternative uses of available resources?	ent that are ed conflicts		\boxtimes	The proposed project will have minimal environmental effects. The power lines will be mounted on driven pile foundations and construction will occur when the ground is frozen, limiting impacts. The new facilities will improve system efficiency and reduce the amount of diesel fuel and related emissions required to serve the community.	
3. Uncertain, Unique or Unknown Risks Will the proposed project have possible effects on environment that are highly uncertain, involve unique of	the human or unknown		\boxtimes	The project will provide predictable benefits to the human environment by decreasing the risk of	

risks, or are scientifically controversial?

general public exposure to hazards related to aging and

			non-code compliant power distribution system. No uncertain, unique, or unknown risks have been identified.
4.	Precedent for Future Action Will the proposed action establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?		The proposed action will provide a long-term solution to the power needs in Twin Hills. The proposed project takes advantage of excess electrical generation capacity in Togiak and eliminates the need for constructing a future prime power plant in Twin Hills. This project reduces potential future environmental effects.
5.	Cumulative Impacts Will the proposed project relate to other actions with individually insignificant but cumulatively significant environmental effects?		The proposed project is a standalone action. The intertie and new distribution system in Twin Hills may result in additional community economic and population growth over time due to more efficient and reliable power supply. However, this is viewed as a natural progression for the community and is a positive impact for the population.
6.	Scope and Size Will the proposed project have a greater size and scope than is normal for the category of action?		Generally, the size and scope of this type of facility is based on the combined effects of anticipated capital improvements and the growth rate of the community's population. As such, the proposed size and scope of this project is normal In relation to other communities of similar size and growth characteristics. The proposed facilities meet the requirements for Categorical Exclusions of Appendix A to Part 900 Section B5.

		7	T	
7.	7. Environmental Conditions Will the proposed project have the potential to degrade already existing poor environmental conditions or to initiate a degrading influence, activity or effect in areas not already significantly modified from their natural condition?			The proposed project is not considered to have the potential to degrade already existing poor conditions. The proposed project traverses wetlands and is authorized under NWP No. 12, POA-2018-00095, by the USACE.
8.	Environmental Justice Will the proposed project have a disproportionately high and adverse effect on low income or minority populations? Ref: Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations			The proposed project will have a positive effect on all community residents. The proposed power facilities will be safer and more efficient and reliable than existing systems providing for more stable energy costs and fewer emissions, benefitting all residents.
9.	Indian Sacred Sites Will the proposed project limit access to or ceremonial use of Indian sacred sites by Indian religious practitioners or adversely affect the physical integrity of such sacred sites? (EO 13007) "Indian tribe" means an Indian or Alaska Native tribe, band, nation, pueblo, village, or community that the Secretary of the Interior acknowledges to exist as an Indian tribe pursuant to Public Law No. 103-454, 108 Stat. 4791, and "Indian" refers to a member of such an Indian tribe. (EO 13007) Ref: Executive Order 13007, Indian Sacred Sites			The proposed site is not on federal lands so is not subject to EO 13007. Further, the State Historic Preservation Office has issued a finding of no historic properties affected for the proposed project dated 2/27/18.
	Sensitive Resources	Impa Poten		Basis for determination:
	Sensitive Resources			Basis for determination: See attached comments
10.	Section 106 Historic Properties Will the proposed project adversely affect properties in, or eligible for inclusion in, the National Register of Historic Places? Ref: National Historic Preservation Act of 1966 (16 U.S.C. 470 et seq.), as amended. (See 36 CFR 800, Protection of Historic Properties).	Poten	itial	1000
	Section 106 Historic Properties Will the proposed project adversely affect properties in, or eligible for inclusion in, the National Register of Historic Places? Ref: National Historic Preservation Act of 1966 (16 U.S.C. 470 et seq.), as amended. (See 36 CFR 800, Protection of Historic	Poten	No No	See attached comments The State Historic Preservation Office has issued a finding of no historic properties affected for the proposed project dated

	may .	_	-
			proposed project.
13. Park, Recreation or Refuge Lands Will the proposed project have significant adverse direct or indirect effects on National or State Park, Recreation or Refuge lands?			The proposed project is not located within or adjacent to any National or State Parks, recreation lands, or refuges.
14. Wilderness Areas Will the proposed project adversely impact a wilderness area? Ref: Wilderness Act of 1964 (16 U.S.C. 1131 et seq.), as amended.			The proposed project will not adversely impact any wilderness areas.
	-	+	
15. Wild and Scenic Rivers Is the proposed project a "Water Resources Project" that will impact a wild, scenic or recreational river area and create conditions inconsistent with the character of the river?			This project is not a water resources project.
Ref: Wild & Scenic Rivers Act (16 U.S.C. 1271 et seq.), as amended.			
16. National Natural Landmarks Will the proposed project impact a National Natural Landmark? Ref: Historic Sites Act of 1935 (16 U.S.C. 461 et seq.), as amended.			Based on a review of the National Park Service National Natural Landmarks Website, the proposed project will not impact a National Natural Landmark.
17. Sole Source Aquifers If the proposed action would not have adverse effects on this resource, it may be considered that there is no Impact Potential. Ref: Safe Drinking Water Act of 1974, (42 U.S.C. 201, 300 et seq., and 21 U.S.C. 240) as amonded (See 40 CFB and 440).			According to the EPA website there are no sole source aquifers in Alaska.
and 21 U.S.C. 349), as amended. (See 40 CFR part 149).			
18. Prime Farmlands Will the proposed project convert significant agricultural lands to non-agricultural uses?			The proposed project will not convert any agricultural lands to non-agricultural uses.
Ref: Farmlands Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.), as amended. (See 7 CFR part 658).			
19. Wetlands Will the proposed project adversely affect wetlands or will there be construction in wetlands, except in conformance with a U.S. Corps of Engineers Section 404 Permit?		\boxtimes	The proposed project will be in conformance to the U.S. Corps Of Engineers nation Wide Permit No. 12, POA-2018-00095.
Ref: Executive Order 11990, Protection of Wetlands			2010-00093.
20. Floodplains			Based on the national FEMA Flood Map Service Center, the project area is not mapped on the Twin Hills side of the Togiak river.
Will the proposed project involve construction in a floodplain or impact floodplain development? Ref: Executive Order 11988, Floodplain Management			In the community of Togiak, The proposed site is within the 1% annual (100-year) flood plain as shown on the attached FIRMETTE flood map. The 100 year flood elevation is 8.4'. The proposed utility poles
			are 30+ feet tall putting the

				the 100-year as noted in the report 02009 that the maccommunity is year floodple.	flood protection d engineering
21. National Mor Will proposed	numents d project impact a National Monument?			This project proximity of Monuments.	is not within any National
	Significant or Critical Areas possed project impact an ecologically significant or			The proposed any known sensitive or cri	
23. Other Known Is an environ	n Reasons nmental assessment required for other known reasons?		\boxtimes	No.	
Additional Comments					
The only known	extraordinary circumstances are that some of the	propose	d utility	poles are loca	ated within an
established floor	dplain. The poles will be founded on driven piles	(50 ft er	mbedm	ent) that can	withstand any
anticipated flood	forces. Given that the majority of the Togiak com	nmunity i	s locat	ed in the flood	plain, and the
height of the pov	wer conducting components are well above the 10)0-year fl	ood ele	evation, it is ou	ar opinion that
the floodplain iss	sue does not exclude the use of a the CATEX proce	ess.			
Based upon the camy knowledge, that	categorical exclusion identified above, this completed chat the information provided above is complete and correct	necklist ar	nd attac	hments, I certify	to the best of
	usion determination is appropriate for this project:			Yes: 🛛	No:
Further environmen	ental analysis is required:			Yes:	No: 🛛
	PREPARED BY				
Date	Typed or Printed Name and Title Signature	111	ATT I TO		
5/21/2018	Nicholas Phelps, EIT	Mer	~		
	DENALI COMMISSION APPROVING	G OFFIC	IAL		
Date	Typed or Printed Name and Title Signature				
6/12/2018	John Whittington, General	wol_1			

Environmental Information and Documentation Supplemental Instructions

Basis for Determination and Documentation

The basis for determination and documentation information must be traceable and establish the factual data to support

the response to each question. Types of information to be included in this column are outlined below.

PRINTED MATERIALS These are useful sources of detailed information materials such as comprehensive land use
plans, zoning maps, city master plans, environmental baseline surveys, environmental assessments, environmental
impact statements and studies. Information must be current and must represent accepted methodologies, i.e., not so
old that changing conditions make them irrelevant. Citations for the material should include enough information so
that an outside reviewer can locate the specific reference, e.g., author, document title, publication date, and page
number.

Examples include the Record of Decision, Finding of Suitability to Transfer, Finding of Suitability to Lease, General Services Administration (GSA) Property Suitability Determination Form, Federal Property Information Checklist, Environmental Baseline Surveys, Preliminary Assessment Reports, Environmental Assessments, draft or final Environmental Impact Statements, and City/County master plan or zoning map.

Possible sources of the above documents include as appropriate, GSA, Department of Housing and Urban Development, the property owner, military base environmental office, local governmental organizations, local public library, and City/County planning office.

- 2. <u>PERSONAL CONTACT</u> Personal contacts are useful when the individual contacted is an accepted authority on the subject(s), and <u>the interview is documented</u>. Supporting documentation should include the name, organization, and title of the person contacted and the date of the conversation. Examples include EPA officials, EPA hotlines, officials from state or local planning offices and environmental offices, or an environmental officer of an agency.
- 3. <u>SITE VISIT</u> A site visit does not usually involve any testing or measurements. A site visit is an important method for initial screening of the issues, but for some of the categories it may be inadequate for final evaluation, Supporting documentation should include date of the site visit, by whom, and the supporting observation.

<u>Pollution Prevention</u>. The agency must include pollution prevention considerations in the siting, design, construction, renovation, and operation of the project or facility.

The questionnaire items on sedimentation and erosion control measures and storm water control plan are also pollution prevention related.

ATTACHMENTS U.S FISH AND WILD LIFE SERVICE



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Anchorage Fish And Wildlife Field Office 4700 Blm Road

Anchorage, AK 99507 Phone: (907) 271-2888 Fax: (907) 271-2786



March 07, 2018

In Reply Refer To:

Consultation Code: 07CAAN00-2018-SLI-0121

Event Code: 07CAAN00-2018-E-00397

Project Name: Twin Hills Rural Power System Upgrade

Subject: List of threatened and endangered species that may occur in your proposed project

location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and some candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). Please note that candidate species are not included on this list. We encourage you to visit the following website to learn more about candidate species in your area: http://www.fws.gov/alaska/fisheries/fieldoffice/anchorage/endangered/candidate_conservation.htm

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Anchorage Fish And Wildlife Field Office 4700 Blm Road Anchorage, AK 99507 (907) 271-2888

Project Summary

Consultation Code: 07CAAN00-2018-SLI-0121

Event Code: 07CAAN00-2018-E-00397

Project Name: Twin Hills Rural Power System Upgrade

Project Type: TRANSMISSION LINE

Project Description: This project proposes to install a new power transmission intertie line

between Togiak and Twin Hills. Construction of the intertie is to occur during the winter months (2018/2019). All power poles for the intertie

will consist of driven piles. Minimal clearing is expected.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/59.07457841957815N160.27942901075068W



Counties: Dillingham, AK

Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

ATTACHMENTS ALASKA STATE HISTORIC PRESERVATION OFFICE



P.O. Box 111405 Anchorage, Alaska 99511-1405 Ph. (907) 349-0100, Fax (907) 349-8001

February 5, 2018

Judith E. Bittner, State Historic Preservation Officer Alaska Office of History and Archaeology Alaska Department of Natural Resources 550 West 7th Avenue, Suite 1310 Anchorage, AK 99501-3565 Sym No Historic Properties Affected
Alaska State Historic Preservation Officer
Date: 2/27/18 File No.: 3139-12 00
Please review: 36 CFR 800.13 / A.S. 41.35.070(d)

Subject:

Twin Hills RPSU Project

Request Concurrence of Finding of No Historic Properties Affected

Dear Ms. Bittner:

CRW Engineering Group, LLC in cooperation with the Alaska Village Electric Cooperative (AVEC), is working with the Denali Commission (DC) to upgrade the community of Twin Hills' energy infrastructure. The Twin Hills RPSU project includes installation of a new electrical intertie between Togiak and Twin Hills, and a new overhead electrical distribution system and standby power generator module in Twin Hills, Alaska. The electrical intertie is located within Sections 1 & 12 of T13S R67W and Sections 4, 5 & 6 of T13S, R66W, Seward Meridian. The village electrical distribution upgrades and standby generator module are located within Sections 3, 4, 9 & 10, T13S, R66W, Seward Meridian. Attached are Figures 1-8: Figure I includes a vicinity map showing the project area, Figures 2-3 show the Area of Potential Effect (APE) in turquoise, Figure 4 is the Standby Power Site Plan, Figures 5-7 show intertie pile details and Figure 8 is a typical village distribution power pole detail. Pursuant to 36 CFR 800.4(d)(1), implementing regulations of Section 106 of the National Historic Preservation Act, AVEC requests on behalf of the Denali Commission concurrence with the finding that no historic properties would be affected by the proposed project.

The distribution upgrade project replaces Twin Hills old, unreliable, non-code compliant overhead electrical distribution system. It will follow the same general alignment as the existing distribution system, and new power poles will be installed in augured holes. The new intertie between Togiak and Twin Hills will be approximately 4.5 miles long with power poles set on driven H-piles, except at the Togiak River crossing, which will use helical piles. The new standby power generator module will be located on a 40' x 60' gravel pad adjacent to the existing community tank farm.

Intertie construction will occur during the winter, over frozen ground to provide access to the alignment and minimize and mitigate impacts to wetlands. The project will place approximately 5 CY cubic yards of fill into less than 0.1 acres for pile foundations. The village distribution and standby generator module are located in uplands. Approximately 100 CY of fill material will be placed, including the material excavated and replaced during pole installation. Material will come from an existing, developed borrow source approximately 2 miles south of Twin Hills. Construction of the village distribution system and generator module will be performed after breakup when the ground is not frozen.

The Alaska Historic Resources Survey (AHRS) was reviewed on 1/29/18. There are no known archaeological or prehistoric sites within the proposed project location. AVEC requests concurrence that no historic properties would be affected by the proposed project.

Please notify me as soon as possible if you anticipate any concerns with the proposed project. If you have any questions or need additional information, please call me at (907) 349-0100, or fax your comments to (907) 349-8001.

Sincerely,

Gray Stassel Engineering, Inc.

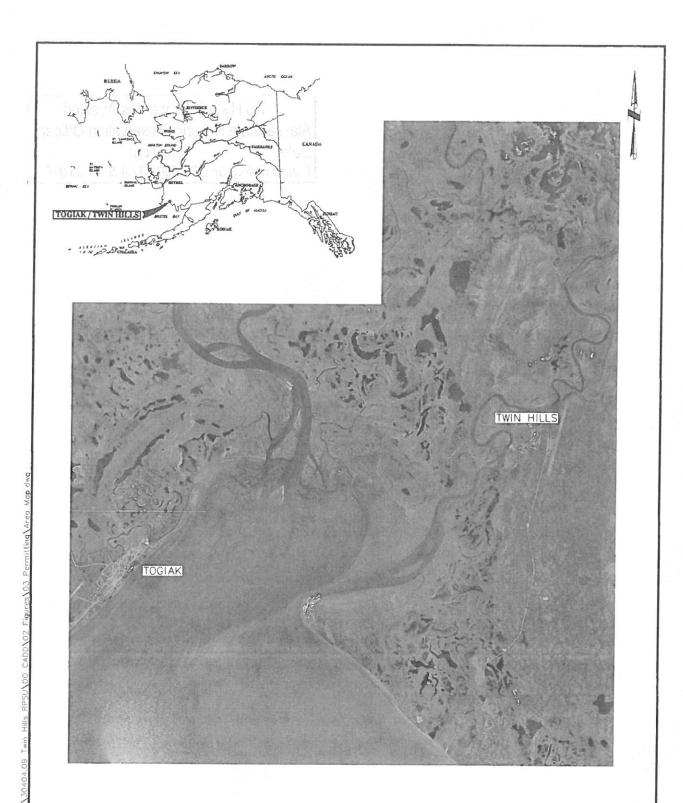
Alison Sterley

Cultural Resource Specialist

cc: Tom Wolf, Denali Commission, twolf@denali.gov Forrest Button, AVEC, fbutton@avec.org

Karl Hulse, CRW Engineering, khulse@crweng.com

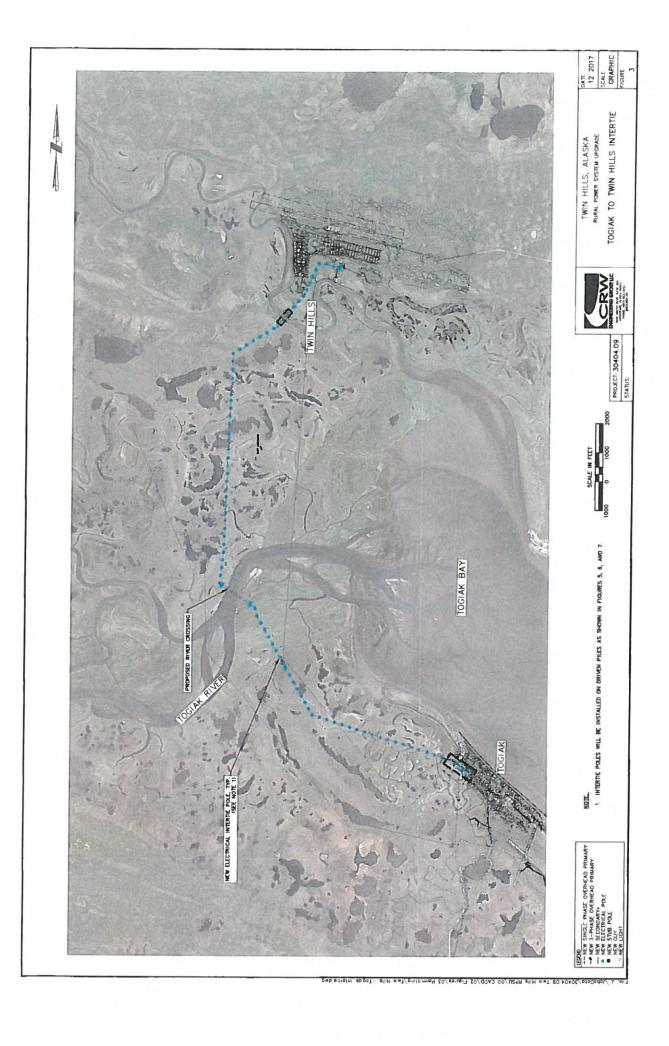
Attachments - as noted

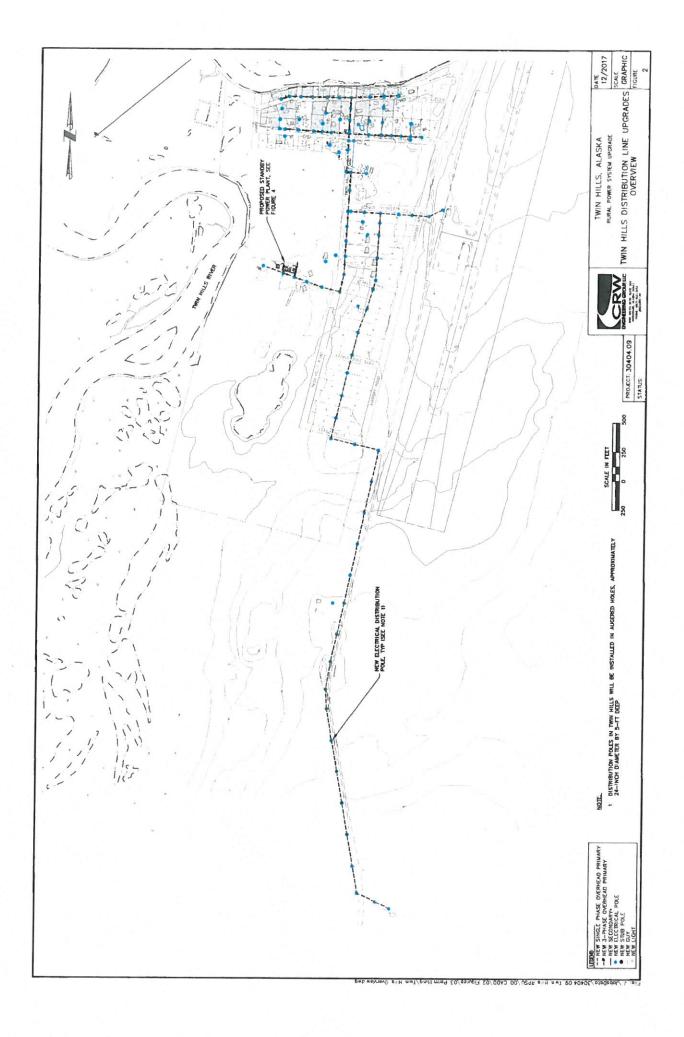


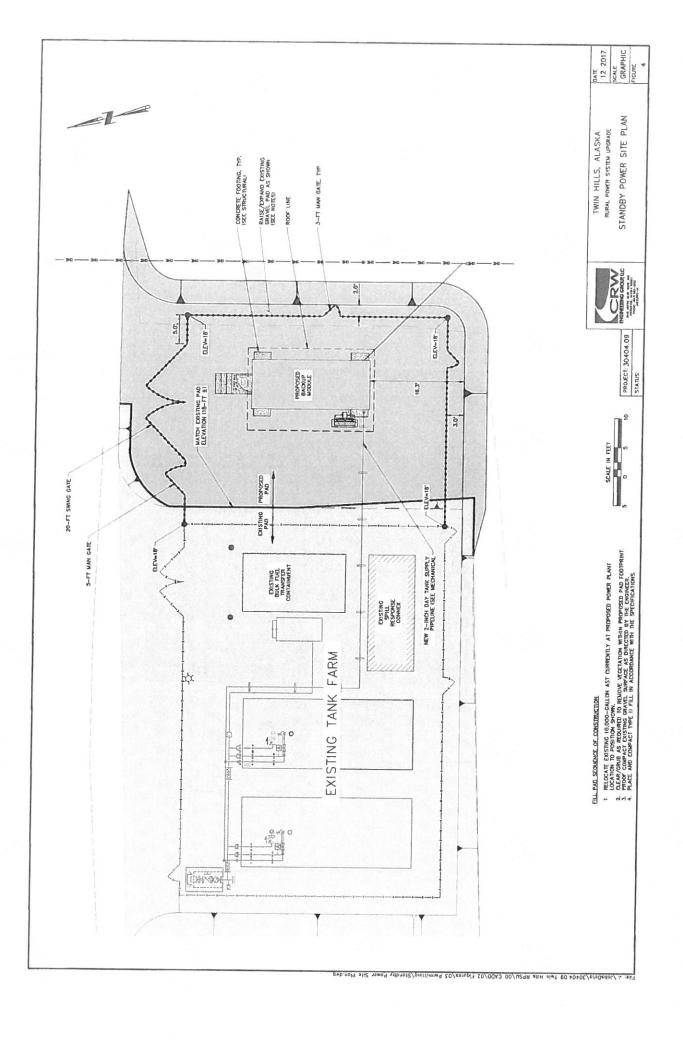


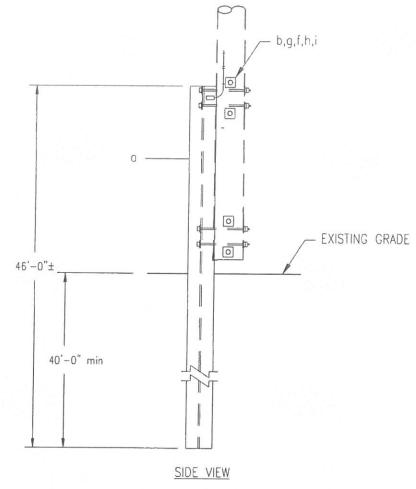
TWIN HILLS, ALASKA
RURAL POWER SYSTEM UPGRADE
VICINITY MAP

Project	No:	30404.09
Drawn B	В у:	JFC
Scale	N.	T.S.
Date:	12	/2017
Figure:	1	









ITEM	QTY.	MATERIAL
0	1	10x57x46' HP STEEL PILING
b	8	SPRING CLIP WASHER, 3/4"
C	4	BOLT, WASHER, 3/4" x REQ'D LENGTH
d	4	WASHER, SQ. CURVED, 4"x4" W/ 13/16" HOLE
е	4	LOCKNUT, 3/4" MF TYPE
f	4	SPRING CLIP WASHER, 5/8"
g	4	BOLT, MACHINE, 5/8" x REQ'D LENGTH
h	8	WASHER, SQ. CURVED, 4"x4" W/ 11/16" HOLE
i	4	LOCKNUT, 5/8" MF TYPE
j	4	WASHER, SQ., 2-1/4"x2-1/4" W/ 13/16" HOLE



TWIN HILLS, ALASKA RURAL POWER SYSTEM UPGRADE NTERTIE POLE FOUNDATION H-PILE DETAIL

Project	No 30404.09
Drown 8	By JFC
Scale:	N.T.S.
Date:	12/2017
Figure:	5

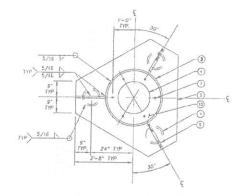
NOTES:

1. ADVANCE HELICAL ANCHOR UNTIL THE AVERAGE INSTALLATION TORQUE EXCEEDS THE MINIMUM INSTALLATION TORQUE OF 2,000 FEET—POUNDS OVER THE FINAL THREE FEET OF HELICAL PILE EMBEDMENT OR THE PILES ARE EMBEDDED A MINIMUM OF 9 FEET TO THE UPPER HELIX, WHICHEVER IS DEEPER.



TWIN HILLS, ALASKA RURAL POWER SYSTEM UPGRADE GUY WIRE ANCHOR DETAIL

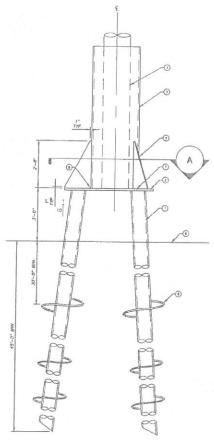
Project	No	30404.09
Drown £	3 у	JFC
Scale	N.	T.S.
Date:	12	/2017
Figure:	6	



SECTION A: STEEL PILE CAP PLATE - PLAN VIEW SCALE: N.T.S.



- 10" SCH. 40 HELICAL ANCHORS, TYPICAL OF 3.
- ② 1 ½" A572, GR 50. STEEL PLATE.
- 3 32" DIA. STD STEEL PIPE.
- 4 WOOD POLE, PER ELECTRICAL DRAWINGS.
- (5) 3/4" A572, GR 50. STEEL GUSSET PLATE, TYPICAL OF 3.
- 6 HELIX, PER SPECIFICATIONS.
- ① ½" DIA. WEEP HOLE, TYPICAL OF 6.
- 1 TYPICAL: 1"x1" COPE.
- 9 FINISHED GRADE.
- (10) GRAVEL.



PILE POLE CONNECTION DETAIL SCALE: N.T.S.



TWIN HILLS, ALASKA
RURAL POWER SYSTEM UPGRADE
RIVER CROSSING POLE DETAIL

Project No: 30404.09

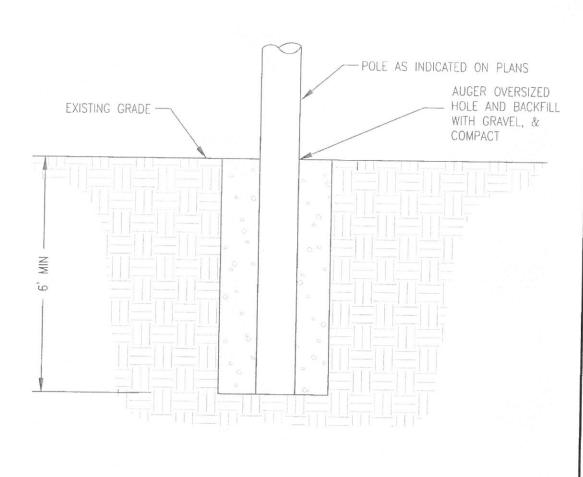
Drawn By JFC

Scale: N.T.S.

Date: 12/2017

Figure: 7

30404 09 Iwin Hills RPSU 00 CADD 02 Figures 03 Permitting HELICAL ANCHOR DETAIL





TWIN HILLS, ALASKA RURAL POWER SYSTEM UPGRADE TYPICAL POWER POLE DETAIL

Project	No:	30404.09
Drawn I	Ву:	JFC
Scale:	N.	T.S.
Date:	1/	2018
Figure:	8	

ATTACHMENTS

U.S. ARMY COPRS OF ENGINEERS



DEPARTMENT OF THE ARMY

ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS
REGULATORY DIVISION
P.O. BOX 6898
JBER, AK 99506-0898

Regulatory Division POA-2018-00095

William Ilutsik Twin Hills Village Council P.O. Box 4061 Twin Hills, AK 99576

Dear Mr. Ilutsik:

This is in response to your March 9, 2018, Department of the Army (DA) permit application (on behalf of Twin Hills Village Council) to construct two aerial crossings of the Togiak River to construct a power line intertie between Togiak and Twin Hills. The project site is located within Section 4, 5, & 6, Township 13 South, Range 67 West; & Sections 1 & 12, Township 13 South, Range 67 West, Seward Meridian; USGS Quad Map GOODNEWS BAY A-4; Latitude 59.08433056° North, Longitude 160.3465139° West; Dillingham Census Area; between Togiak & Twin Hills, Alaska. It has been assigned file number POA-2018-00095, which should be referred to in all future correspondence with this office.

Based on our review of the information you furnished and available to us, we have determined the above project area contains waters of the United States (U.S.), including wetlands, under the Corps of Engineers (Corps) regulatory jurisdiction. At any time you have the right to request and obtain an Approved Jurisdictional Determination (JD), which can be appealed. If it is your intent to request an Approved JD, do not begin work until one is obtained.

DA permit authorization is necessary because your project will involve work in and placement of structures over navigable waters of the U.S. under our regulatory jurisdiction.

Based upon the information and plans you provided, we hereby verify that the work described above, which would be performed in accordance with the enclosed plan (sheets 1-7), dated April 13, 2018, is authorized by Nationwide Permit (NWP) No. 12, Utility Line Activites. NWP No. 12 and its associated Regional and General Conditions can be accessed at our website at:

www.poa.usace.army.mil/Missions/Regulatory/Permits. Regional Conditions D, E & F

apply to your project. You must comply with all terms and conditions associated with NWP No. 12, as well as with the special conditions listed below

Further, please note General Condition 30 requires that you submit a signed certification to us once any work and required mitigation are completed. Enclosed is the form for you to complete and return to us.

Unless this NWP is modified or revoked, it expires on March 19, 2022. It is incumbent upon you to remain informed of the changes to the NWPs. Nothing in this letter excuses you from compliance with other Federal, State, or local statutes, ordinances, or regulations.

Please contact me via email at Nicholas.Lucore@usace.army.mil, by mail at the address above, by phone at (907) 753-5783, or toll free from within Alaska at (800) 478-2712, if you have questions or to request paper copies of the regional and/or general conditions. For more information about the Regulatory Program, please visit our website at www.poa.usace.army.mil/Missions/Regulatory.

Sincerely,

Nicholas Lucore Regulatory Specialist

CF: North Branch

AK DEC

AK DEC

AK-DF&G-DH, Fairbanks (all except Y-K Delta and Bristol

Bay)

AK-DF&G-DH, Yukon-Kuskokwim Delta, Bristol Bay

AK-DNR-DMLW, Fairbanks (north of AK Range)

AK-DNR-DMLW, Anchorage (south of AK Range)

AK-DNR-DMLW, Fairbanks (north of AK Range)

AK-DNR-DMLW, Anchorage

AK-DNR-SHPO

EPA

NMFS, Anchorage

USFWS

U.S. Coast Guard

james.rypkema@alaska.gov shannon.dewandel@alaska.gov

audra.brase@alaska.gov

Ronald.Benkert@alaska.gov jeanne.proulx@alaska.gov Michael.walton@alaska.gov

julie.smith@alaska.gov

Clifford.larson@alaska.gov oha.revcomp@alaska.gov

AOOARU.R10@epamail.epa.gov

HCD.Anchorage@noaa.gov FW7_POANotices@fws.gov

D17-PF-DPW-ACOE1@uscg.mil

wilutsik@outlook.com, khulse@crweng.com, NPhelps@crweng.com

Hard Copy:

William Ilutsik Twin Hills Village Council P.O. Box 4061 Twin Hills, AK 99576

PREFERRED: osd.dod-siting-clearinghouse@mail.mil

OASD (EI&E)

DoD Siting Clearinghouse

(Attn: Chief, Mitigation Evaluation)

Rm 5C646

3400 Defense Pentagon

Washington DC 20301-3400

ENCLOSURE



Permit Number:

POA-2018-00095

Name of Permittee: William Ilutsik

Date of Issuance:

May 22, 2018

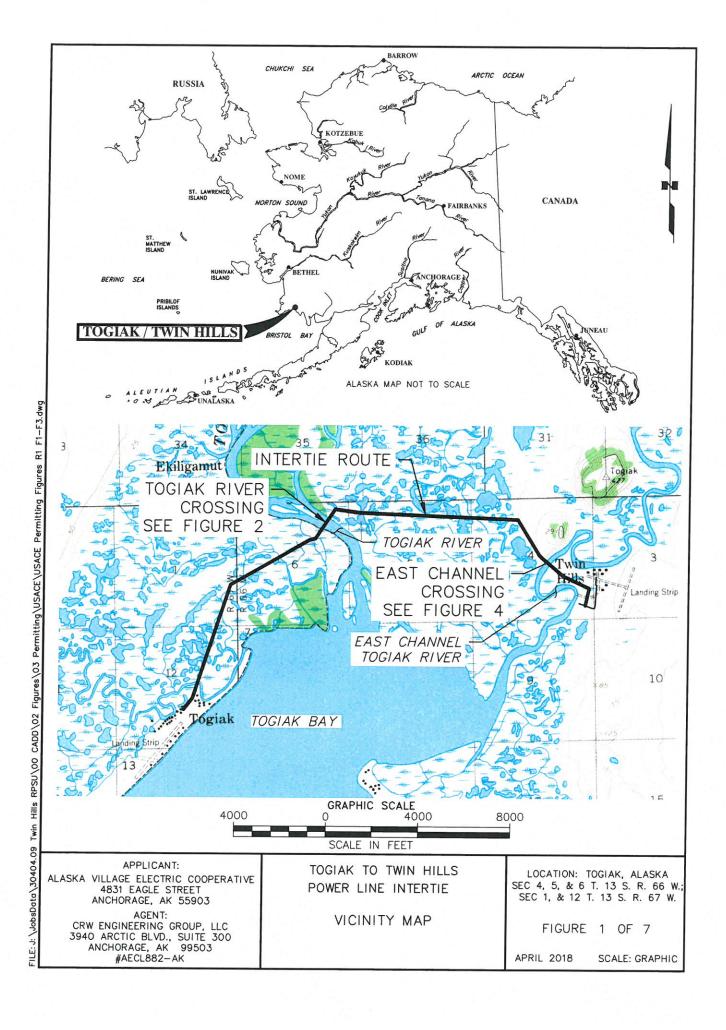
Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to Mr. Nicholas Lucore at the following address:

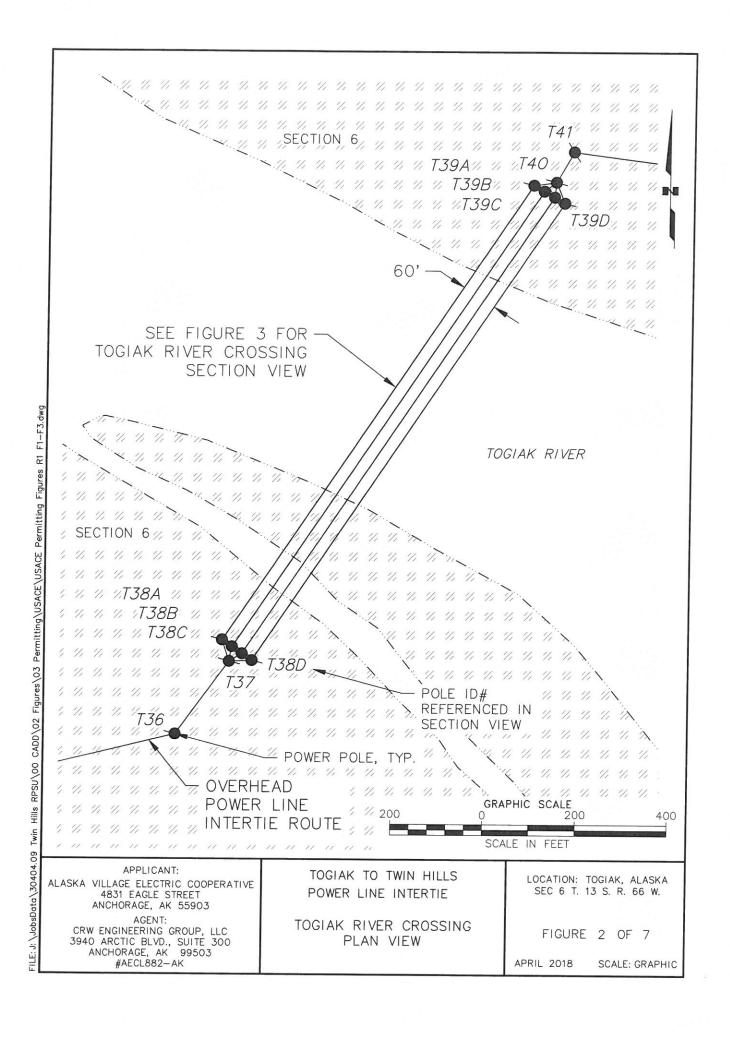
> U.S. Army Corps of Engineers Alaska District Regulatory Division Post Office Box 6898 JBER, Alaska 99506-0898

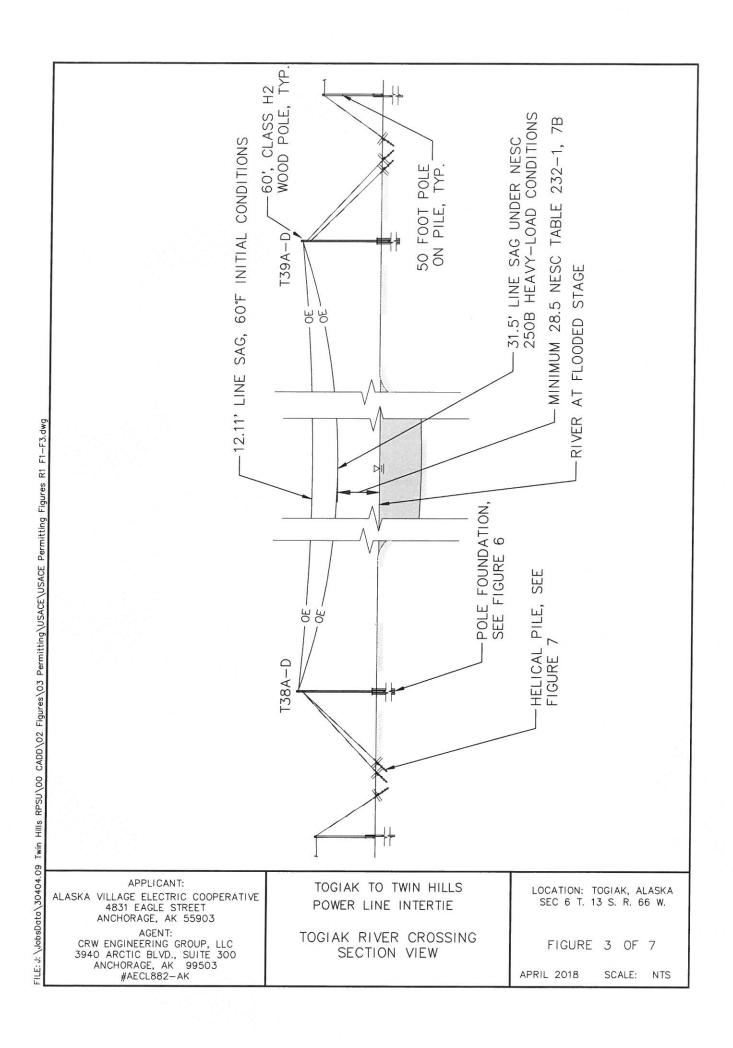
Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

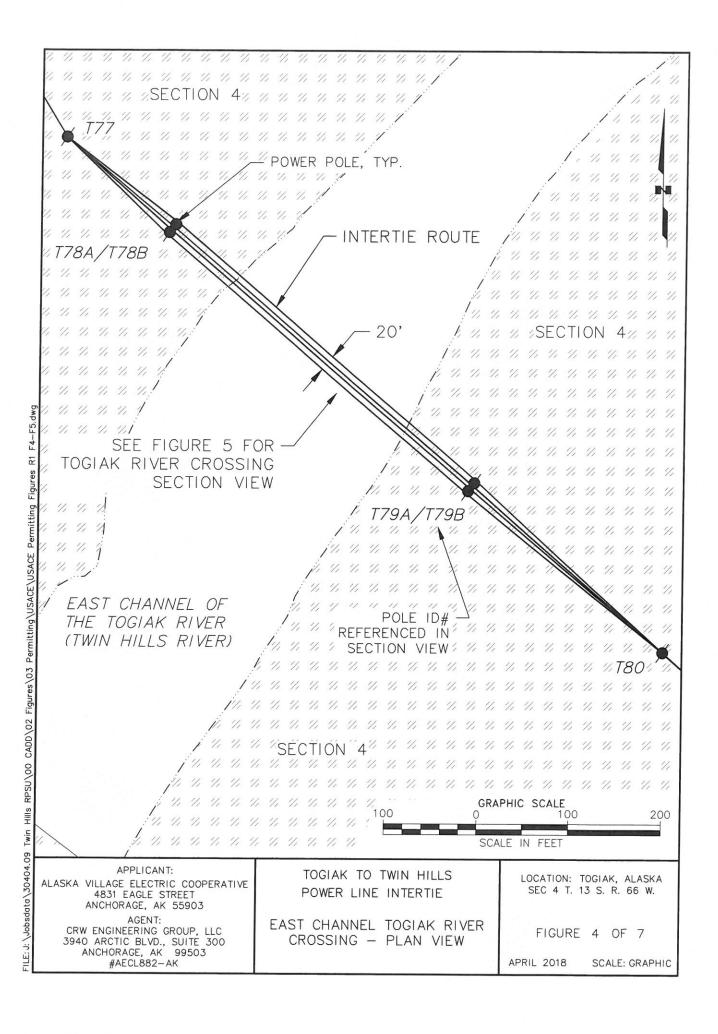
I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

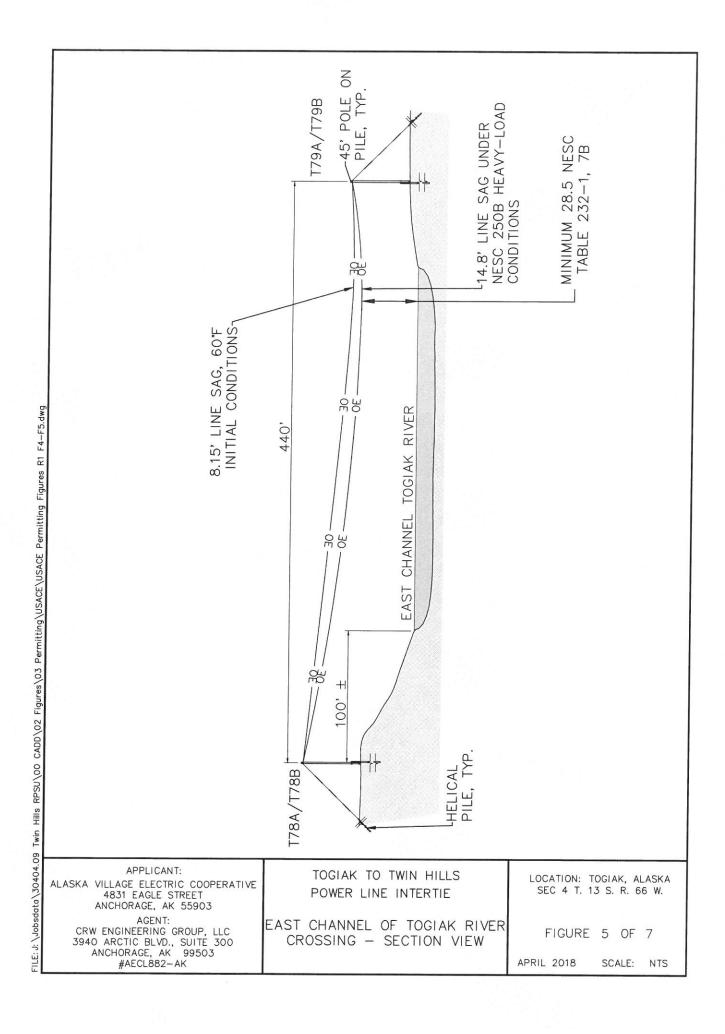
Signature of Permittee	Date

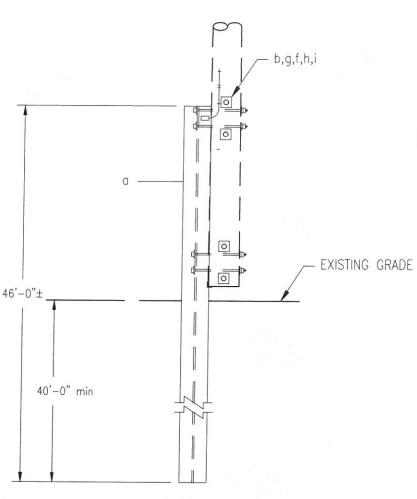












SIDE VIEW

ITEM	QTY.	MATERIAL
а	1	10x57x46' HP STEEL PILING
b	8	SPRING CLIP WASHER, 3/4"
С	4	BOLT, WASHER, 3/4" x REQ'D LENGTH
d	4	WASHER, SQ. CURVED, 4"x4" W/ 13/16" HOLE
е	4	LOCKNUT, 3/4" MF TYPE
f	4	SPRING CLIP WASHER, 5/8"
g	4	BOLT, MACHINE, 5/8" x REQ'D LENGTH
h	8	WASHER, SQ. CURVED, 4"x4" W/ 11/16" HOLE
i	4	LOCKNUT, 5/8" MF TYPE
j	4	WASHER, SQ., 2-1/4"x2-1/4" W/ 13/16" HOLE

APPLICANT:

ALASKA VILLAGE ELECTRIC COOPERATIVE 4831 EAGLE STREET ANCHORAGE, AK 55903

AGENT: CRW ENGINEERING GROUP, LLC 3940 ARCTIC BLVD., SUITE 300 ANCHORAGE, AK 99503 #AECL882-AK

TOGIAK TO TWIN HILLS POWER LINE INTERTIE

H-PILE DETAIL

LOCATION: TOGIAK, ALASKA SEC 4, 5, & 6 T. 13 S. R. 66 W.; SEC 1, & 12 T. 13 S. R. 67 W.

FIGURE 6 OF 7

APRIL 2018 SCALE: NTS

NOTES:

1. ADVANCE HELICAL ANCHOR UNTIL THE AVERAGE INSTALLATION TORQUE EXCEEDS THE MINIMUM INSTALLATION TORQUE OF 2,000 FEET-POUNDS OVER THE FINAL THREE FEET OF HELICAL PILE EMBEDMENT OR THE PILES ARE EMBEDDED A MINIMUM OF 9 FEET TO THE UPPER HELIX, WHICHEVER IS DEEPER.

APPLICANT:

ALASKA VILLAGE ELECTRIC COOPERATIVE 4831 EAGLE STREET ANCHORAGE, AK 55903

AGENT:

CRW ENGINEERING GROUP, LLC 3940 ARCTIC BLVD., SUITE 300 ANCHORAGE, AK 99503 #AECL882-AK

TOGIAK TO TWIN HILLS POWER LINE INTERTIE

GUY ANCHOR DETAIL

LOCATION: TOGIAK, ALASKA SEC 4, 5, & 6 T. 13 S. R. 66 W.; SEC 1, & 12 T. 13 S. R. 67 W.

FIGURE 7 OF 7

ARPIL 2018 SCALE: NTS

ATTACHMENTS

FEDERAL EMERGENCY MANAGEMENT AGENCY

National Flood Hazard Layer FIRMette

59°3'39.63"N

160°23'12,41"W



depth less than one foot or with drainage 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average No Digital Data Available Unmapped NO SCREEN STRUCTURES IIIIIIIIIII regulatory purposes. OTHER AREAS OF FLOOD HAZARD OTHER AREAS GENERAL MAP PANELS SPECIAL FLOOD HAZARD AREAS OTHER **FEATURES** 160°22'34.95"W ource: Esrl, Digital Globe, Geo Eye, Earthsfar Geographics, CNES//Althus Zence D 1:6,000 ■ Feet · · 1,500 1,000 200 250

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Regulatory Floodway Zone AE, AO, AH. VE. AR Without Base Flood Elevation (BFE) Zone A, v, no.

areas of less than one square mile zone x Future Conditions 1% Annual Chance Flood Hazard Zone

Area with Reduced Flood Risk due to Levee, See Notes, Zone

Area with Flood Risk due to Levee Zone D

Area of Minimal Flood Hazard Zone X

Area of Undetermined Flood Hazard Zone D **Effective LOMRs**

Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall Cross Sections with 1% Annual Chance Water Surface Elevation

Base Flood Elevation Line (BFE) Coastal Transect Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

Digital Data Available

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map

authoritative NFHL web services provided by FEMA, This map reflect changes or amendments subsequent to this date and was exported on 5/23/2018 at 6:26:33 PM and does not time. The NFHL and effective information may change or The flood hazard information is derived directly from the become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for legend, scale bar, map creation date, community identifiers,

ATTACHMENTS ENVIRONEMENTAL PROTECTION AGENCY

